

Application No. 10/045,940
Amendment Dated: April 21, 2003
Reply to Office action of January 31, 2003

REMARKS

Claim 30 was rejected under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art (APA) in view of the patent to Godat. The Examiner reasons that since Godat teaches that watch gear bearings should be lubricated with oil and since ozone-resistant type oil is used for lubrication, one skilled in the art would be led to lubricate APA with that oil.

It is respectfully submitted that, with hundreds of different lubricating oils available, what would motivate one skilled in the art to choose an ozone-resistant PFPE lubricant? Attached hereto is a page from the web site of Solvay Solexis. That page states that the example given in applicant's application (Fomblin Z 25) is widely used as a thin film disk lubricant in the magnetic disk drive industry to decrease the friction between the head and disk. Would not one skilled in the art be more motivated to use a watch oil, such as Moebius watch oil as shown in the attached web page of Bartlett & Co., Inc.?

The applicant proposes the use of ozone-resistant oil because of the realization that in a watch movement comprising an electric generator produces ozone through a Van de Graaf generator effect. This is not suggested by APC or Godat.

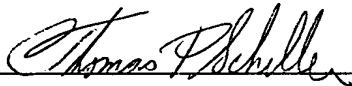
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It is believed that this application is now in condition for allowance.

In this Amendment one additional new claim has been added. A check for the \$18 additional claim fee is enclosed. If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 16-0820, our Order No. 33952.

Respectfully submitted,
PEARNE & GORDON LLP

By: _____



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April 21, 2003

SOLVAY SOLEXIS

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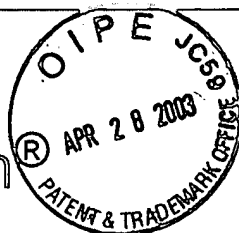
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Welcome to the new standard in fluorochemistry.

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Fomblin PFPE lubricants, oils, greases and emulsions are engineered for applications where heat, chemicals, solvents, corrosion, toxicity, flammability, compatibility, service life or ozone depletion present lubrication problems. While Fomblin lubricants can be used in their original form, they are often formulated into greases for specific applications in the chemical, electronic, military, nuclear, data processing and other industries in need of high performance lubrication.



Fomblin Y LVAC and Y HVAC grades are ideal for use in vacuum pumps as sealing fluids and working fluids. Fomblin Y HVAC fluids have been specially developed in order to combine narrow molecular weight range and controlled viscosity with an extremely low vapor pressure. Thus, they provide superior performance in high vacuum applications, especially systems exposed to aggressive gases.

Fomblin specialty lubricant grades are designed for oxygen handling and lubrication of oxygen pumps and liquid compressors.

Chemically inert Fomblin lubricating greases are recommended for applications requiring resistance to corrosive or oxidizing substances. Fomblin fluorinated fluids are excellent base oils for high temperature, high performance greases. Under extreme conditions of oxygen and humidity, it may be desirable to enhance Fomblin's performance by a rust preventative additive. Based on proprietary technology, Solvay Solexis offers a line of patented PFPE- soluble anti- wear and anti-rust additives.

Fomblin FE-20 aqueous based perfluoropolyether microemulsions represent a very effective, environmentally safe yet economical way of conveying the exceptional properties of liquid fluoropolymers to surfaces.

Fomblin Z-derivatives are widely used as thin film disk lubricants in the magnetic disk drive industry to decrease the friction between the head and disk, that is, reduce wear and therefore minimize possibility of disk failure.

If you have any questions or would like more information about this product, please complete this form.

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TECHNOLOGY CENTER 2800

Moebius Oils and Greases for watches, clocks and instruments.

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Tools, Equipment & Supplies
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LUBRICANTS and OIL

MOEBIUS OILS and GREASES

Moebius Watch and Clock Oil has been acknowledged and acclaimed as the finest for generations. All Moebius products are developed, manufactured and tested in Switzerland. The large variety enables you to choose just the right oil or grease for your particular purpose. Natural Watch Oils, a mixture of neatsfoot and mineral oils, are satisfactory except that, after a period of time in contact with metals, they change chemically and form a gummy substance. Synthetic Oils have the same lubricating properties as natural oils, but will not change over a period of time, so they will not gum up, cause corrosion, become acidic, creep, or spread.



NATURAL OILS

WATCH OIL

General purpose for chronometers and watches, all calibers up to 18L. Outstanding lubrication with minimal spreading and a low freezing point. 4 ml bottle.

No. OL 42364

CLOCK OIL #3

For clocks, alarm clocks and meters not directly exposed to low winter temperatures. 20 ml bottle.

No. OL 42360

CLOCK OIL #3A

Same as No. OL 42360 but formulated for units exposed to very low temperatures. 20 ml bottle.

No. OL 420203A

SYNT-A-LUBE ARCTIC

Same as No. OL 420217 except that it is effective to minus 140° F (-60° C). 2 ml bottle.

No. OL 420221

SYNT-A-VISCO-LUBE

Specially designed for slower moving units and larger watch movements. Ideal for lubricating the pivots of staffs, oscillating weights and other parts of automatic watches. Excellent to minus 68° F (-20° C). 2 ml bottle.

No. OL 420219

OIL for ESCAPEMENTS

Specifically manufactured for use on pallets. Has a higher degree of oiliness than the standard synthetic oils. 2 ml bottle.

No. OL 420233

LOW-TEMPERATURE OIL #5

Specially designed for mechanisms exposed to extremely low temperatures to minus 95° F (-35° C). 25 ml bottle.

No. OL 420205

REGULAR OIL for CLOCKS

A general purpose grease well suited to the winding and setting parts of watches. Also uncoiled mainsprings, as well as for clocks clock springs. 20 ml bottle.

No. OL 42512

REGULAR OIL with GRAPHITE for CLOCKS

Similar to No. OL 42512 but with graphite for use on clocks, clock mainsprings and bridge automatic watches. 20 ml bottle.

No. OL 420211

REGULAR OIL with MOLYBDENUM

LARGE MOVEMENT CLOCK OIL #4

For large clocks, tower clocks and small machines.
Has a high viscosity and can be used in low
temperatures to minus 68° F (-20° C).
20 ml bottle.
No. OL 42362

SYNTHETIC OILS**SYNT-A-LUBE**

A general purpose synthetic watch oil, unequalled
for pallet jewels, escapements and balance staffs.
It can be used in place of all regular oils, and for
small clocks and instruments exposed to low
temperatures to minus 68° F (-20° C).

No. OL 42500 2 ml bottle

No. OL 420215 Economy size 10 ml bottle with
applicator

No. OL 420218 Production size 50 ml bottle

SYNT-A-FRIGO-LUBE

Specially useful for lubricating movements which
are exposed to the lowest winter temperatures to
minus 104° F (-40° C). 2 ml bottle.

No. OL 420217

ALL-PURPOSE SYNTHETIC GREASE

For watches and clocks. 2 ml bottle.
No. OL 420227

SPECIAL LUBRICANTS

Designed for mainsprings, these lubricants are
thicker than oil but not as thick as grease.

REGULAR

A general purpose mainspring lubricant. Can be
used in watches from 93/4 Ligne to 19 Ligne, as
well as in alarm clocks, pendulum clocks and
wall clocks.

No. OL 420206A 20 ml bottle

No. OL 420206 50 ml bottle

No. OL 420209 Same as the above item
but somewhat thinner 20 ml bottle

OIL WITH MOLYBDENUM DISULPHIDE

Special purpose lubricant containing
molybdenum disulphide for use on automatic
mainsprings, to insure proper functioning of
the bridge. 20 ml bottle.

No. OL 420207

DISULPHIDE for CLOCKS

A general purpose grease with molybdenum
disulphide for use on clocks, clock mainsprings
and bridges of automatic watches. 20 ml bottle.
No. OL 420212

QUARTZ OIL

Especially designed for quartz analog watch
particularly the rotor bearing, click wheel and
the gear train. Non-toxic, non-spreading,
long-lasting with good viscosity. 2 ml bottle
No. OL 42365

SILICON CASE SEALANT

A heat resistant case sealant grease containing
silicon, used for the sealing of waterproof cases
and crowns. 10 ml bottle
No. OL 420213

INSTRUMENT GREASE

A special heat and cold resistant grease for
mechanical instruments. 10 ml bottle.
No. OL 420214

SYNT-A-VISCO-LUBE (SPECIAL OIL)

Used in brass bearings to prevent change of
color. 2 ml bottle.
No. OL 420220

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